

**NORTH DAKOTA PROJECT WET (WATER EDUCATION FOR TEACHERS)
WATER QUALITY/NON-POINT FOR SOURCE POLLUTION
EDUCATION PROGRAM FOR TEACHERS AND YOUTH**

FY 2007 NPS Continuation Project Implementation Plan

July 1, 2007 – June 30, 2009

Prepared by:

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1.01 PROJECT SUMMARY SHEET

PROJECT TITLE NAME: NORTH DAKOTA PROJECT WET (WATER EDUCATION FOR TEACHERS) WATER QUALITY/NON-POINT SOURCE POLLUTION EDUCATION PROGRAM FOR NORTH DAKOTA TEACHERS AND YOUTH

NAME AND ADDRESS, TELEPHONE AND E-MAIL OF LEAD PROJECT SPONSOR/SUBGRANTEE:

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STATE: North Dakota

WATERSHED: Statewide

HYDROLOGIC UNIT CODE: NA

HIGH PRIORITY WATERSHED:
(YES/NO): **NO**

TMDL DEVELOPMENT: NA and/or **IMPLEMENTATION** NA

<u>PROJECT TYPES</u>	<u>WATERBODY TYPES</u>	<u>NPS CATEGORY</u>
<input checked="" type="checkbox"/> STAFFING SUPPORT	<input checked="" type="checkbox"/> GROUNDWATER	<input type="checkbox"/> AGRICULTURE
<input type="checkbox"/> WATERSHED	<input checked="" type="checkbox"/> LAKES/RESERVOIRS	<input type="checkbox"/> URBAN RUNOFF
<input type="checkbox"/> GROUNDWATER	<input checked="" type="checkbox"/> RIVERS	<input type="checkbox"/> SILVICULTURE
<input checked="" type="checkbox"/> I&E CONSTRUCTION	<input checked="" type="checkbox"/> STREAMS	<input type="checkbox"/> RESOURCES
	<input checked="" type="checkbox"/> WETLANDS	<input checked="" type="checkbox"/> OTHER – EDUCATION
		<input type="checkbox"/> STOWAGE/LAND DISPOSAL
		<input type="checkbox"/> HYDRO
		<input type="checkbox"/> OTHER

PROJECT: STATEWIDE **X** **LATITUDE** N/A **MIN.** N/A **LONGITUDE** N/A **MIN.** N/A

SUMMARIZATION OF MAJOR GOALS: The following overall goal has been established for the Project WET water quality/NPS pollution program: To increase K-12 educator and student knowledge, understanding and appreciation of NPS pollution impacts to North Dakota water resources and solutions to those impacts. The following action subgoals have also been established: 1) Develop and deliver indoor and outdoor water quality and non-point source pollution water science and water education programs through dissemination of classroom and outdoor-ready teaching aids; 2) Provide balanced NPS pollution/water quality resource information and education tools, services, programs and resource materials; and 3) Promote the wise stewardship of North Dakota's water resources and their interaction with both the human

and natural environments within the watersheds of North Dakota through enhancement of water quality/NPS pollution education programs.

SUMMARIZATION OF PROJECT DESCRIPTION: Project WET (Water Education for Teachers) is a supplemental and interdisciplinary NPS pollution and water quality education program for K-12 formal and non-formal educators and K-12 youth.

Project WET water quality/NPS pollution programs are designed to help teachers and youth learn how to think, not just what to think. Project WET programs provide a means for teachers and youth to grasp fundamental concepts related to water quality, watersheds and the environment. Through Project WET programs, teachers and youth obtain skills for acquiring knowledge, test and apply that knowledge, and evaluate the results of their actions.

FY 2007 319 funds requested: (Base) \$170,000; (Incremental) \$0. **Match:** \$113,333

Other Federal Funds: \$0. **319 Funded Fulltime personnel:** 1.

Total Project Cost: \$283,333.

2.0 STATEMENT OF NEED

2.1 In early 1992, the ND State Water Commission began an extensive effort, as part of its 1992 State Water Plan recommendations, to expand their information/education program for both youth and adults. As part of this effort, an information/education “needs” survey was mailed to over 1,800 adults in North Dakota in June of 1992. A total of 720 surveys were returned. In part, survey respondents were asked to answer questions on water management issues, which were used to estimate their self-appraised knowledge, their actual knowledge, and also which water management issues were most important for resolution. Results indicated water quality issues were considered the most important group of water management issues that needed to be addressed and/or resolved. Respondents realized that water quality issues touched on every aspect of their lives.

The above survey indicated that education of both adults and youth in fundamental water quality management was becoming increasingly important. As a result, the NDSWC reviewed Project WET resources and materials and identified specific areas of Project WET which could be enhanced to convey the fundamental concepts of water quality management and education to North Dakota K-12 teachers and youth. The NDSWC believes that awareness of, and respect for water resources, will encourage a personal, lifelong commitment of responsibility and positive community participation for teachers and youth.

The North Dakota Department of Health has identified the Project WET water quality/NPS pollution program as an integral component to its State I/E Strategy for youth education. The following table outlines the programs it includes and how Project WET fits this strategy:

Program	Primary Grade Level	Primary Audience
Project WET	K-12	Teachers and Students
Project TREES	K-6	Students and Teachers
		Students, Teachers and

Statewide EcoEd	6-8, depending on local SCD	Chaperons
ND Envirothon	9-12	Students and Advisors

Project WET provides the base of the “pyramid” upon which water quality/NPS pollution education is implemented in North Dakota. Project WET is a statewide service provider and is the only hands-on water quality/NPS pollution education program that provides comprehensive curriculum, resources and materials for formal and nonformal K-12 educators and K-12 youth in North Dakota.

2.2 Project WET targets the following youth groups or those groups or individuals that work with youth:

- K-12 public and private classroom teachers
- Preschool and daycare educators
- Youth organization leaders (i.e. 4-H, scouts, bible, etc.)
- Preservice faculty and students
- Resource agency educators and specialists
- Natural resource program educators, environmental learning center staff and park interpreters
- Home school educators
- Corporate community educators
- Zoo educational staff
- Museum, nature and science center staff
- K-12 students (all situations, groups, organizations and functions).
- Adults, general public

Project WET believes that through the efforts of the ND education and water resource management communities, the ND state Project WET office, and the ND Project WET facilitator network, educators and young people will be stimulated to appreciate and become aware of and knowledgeable about their water resources and the importance of water quality/NPS pollution. This in turn will promote wise water stewardship and increase the chance of educators and youth becoming involved in a variety of water quality/NPS pollution action projects in their homes, schools and communities. There then will be a much better chance that this commitment will stay with them throughout their lives.

3.0 PROJECT DESCRIPTION

3.1 Project Goals: The overall goal of the Project WET water quality/nonpoint source pollution education program is: To increase K-12 educator and student knowledge, understanding and appreciation of NPS pollution impacts to North Dakota water resources and solutions to those impacts. The following action subgoals have also been established.

- 1) To facilitate and promote the learning and exploration of North Dakota’s water quality/NPS pollution issues and problems through the development and delivery of indoor and outdoor water quality and non-point source pollution water science and water education programs; and
- 2) To provide balanced water quality/NPS pollution resource information and classroom and outdoor ready education tools, services, programs and resource materials needed

- for teachers and youth to make informed decisions about future North Dakota water quality/NPS pollution management and impact solutions; and
- 3) To promote the wise stewardship of North Dakota's water resources and their interaction with both the human and natural environments within the watersheds of North Dakota through enhancement of water quality/NPS pollution education programs.

In order to meet these goals, the Project WET water quality/NPS program provides hands-on, classroom and outdoor-ready education programs, resources and materials to K-12 formal and nonformal educators, K-12 youth, youth organization leaders, resource agency educators, natural resource program personnel and community residents about North Dakota water resources and water quality issues and topics, including atmospheric resources, surface and groundwater resources and their respective quality, water supply, distribution and quantity, water resource protection and management and water use and water conservation.

The Project WET water quality/NPS pollution program is delivered through instructional credit and noncredit workshops and seminars, elementary and secondary school and interested organization inservice opportunities, university preservice opportunities, youth camps and any youth learning situations, public and family programs, water festivals and celebrations and summer institutes. Educational materials and resources include Project WET and supplementary curriculum materials, student's activity booklets, water education posters, simulation model/trunks and indoor/outdoor water quality investigation materials for educators working with kindergarten through high school age youth.

Project WET water quality/NPS pollution educational programs, resources and materials take into consideration the various learning styles of educators and youth and are designed to "fit" into existing school subjects and curriculum. Other characteristics of the Project WET water quality/NPS pollution programs include hands-on, self contained, easy to use, nonbiased and age-appropriate curriculum and youth activity booklets and materials that promote critical thinking and problem solving skills. **A narrative which describes major Project components intended to meet Project goals can be found in the Appendix as PROJECT DESCRIPTION COMPONENTS. New or expanded tasks can be found in this part of the Appendix under "Educational Programs for K-12 Formal and Non Formal Educators" (Summer Advanced Watershed Applications Workshop), under "Educational Programs for K-12 Youth and Adults" (Youth Technology and Career Exploration and under Water Festivals/Celebrations).**

- 3.2 Objectives/Tasks:** Specific objectives and underlying tasks for the FY 2007 NPS Pollution Project Implementation Plan (PIP) for the period of July 1, 2007 – June 30, 2009 are defined in this section. **New and/or expanded current tasks are defined in the Appendix under Project Description Components: 1) Summer Advanced Watershed Applications Workshop; 2) Youth Technology and Career Exploration; and 3) Water Festivals/Celebrations.**

Objective 1. Provide Project WET management and support systems to develop and deliver effective NPS pollution/water quality and water education/water science programs **(\$172,200).**

Task 1. Employ a Project Director and incorporate other non-state employees (Project WET facilitators) to provide necessary management and direction for implementation and delivery of project objectives/tasks (salary, fringe, travel/per diem for Project director). Includes travel/per diem for non-state employees (Project WET facilitators). Includes costs associated with Project WET Director for development and implementation of Project including personal involvement in delivery of programs. Costs also include travel/per diem for Project WET facilitators to deliver project programs.

Product: Personnel for ongoing program development, management and implementation of project.

Cost: \$157,000

Task 2. Maintain cost of support services to project objectives/tasks directed toward targeted teachers and youth (miscellaneous supplies, postage, printing, and equipment, etc.).

Product: Provision of necessary support to augment Project WET NPS pollution/solutions and water quality educational resources, services and materials to teachers and youth.

Cost: \$6,000

Task 3. Support the cost of service contracts with Project WET NPS pollution providers and consultants (9 teacher centers, contract for chemistry kits/water boots).

Product: Mechanisms to promote, access and implement Project WET NPS pollution/water quality educational resources, materials and programs.

Cost: \$9,200

Objective 2.

Maintain classroom-ready teaching aids in support of Project WET educational efforts **(\$20,000).**

Task 4. Maintain six Project WET NPS pollution/solutions and water quality educational trunks/exhibits (EnviroScape Environmental series).

Product: Teacher/youth use of trunks/exhibits with interactive participation.

Cost: \$500

Task 5. Maintain Project WET water quality and NPS pollution/solutions hands-on curriculum and other NPS pollution /water education materials and resources (Project WET guides and other Project WET supplemental materials; other water quality

resource education curriculum and NPS pollution/water quality materials) for K-12 formal and nonformal educators and youth.

Product: Hands-on minds-on curriculum and supplemental, easy to use, balanced and interactive NPS pollution and water quality resource and water science education materials and resources for K-12 formal and nonformal educators and youth.

Cost: \$18,000

Task 6. Purchase new and maintain existing indoor/outdoor water quality training and education resources (water quality chemical, biological, physical monitoring resources, hip/boot/chest waders, other appropriate NPS pollution and water quality equipment, materials and resources that enhance NPS pollution/solutions and water quality education).

Product: Methods to monitor NPS pollution/solutions and water quality of all types of water resource environments.

Cost: \$1,500

Objective 3.

Complete water quality/NPS pollution/solutions educational opportunities for 32,470 K-12 formal and non-formal educators, youth and adults to expand their knowledge and understanding of water quality/NPS pollution/solutions resource issues in North Dakota **(\$74,500).**

Task 7. Provide and complete varying level non-credit and credit facilitator led Project WET water quality/NPS pollution/solutions educational programs (in-service and preservice) for 550 formal and non-formal K-12 educators (includes stipend but does not include travel/per diem costs of non-state employees – Project WET facilitators).

Product: 550 formal and non-formal K-12 educators who gain a knowledge, appreciation and understanding of ND water quality/NPS pollution/solutions resource issues.

Cost: \$12,500

Task 8. Provide funds to selected organizations to promote, develop, and complete ten community/area-wide NPS pollution/solutions and water quality water festivals for 9,000 various age youth (Make A Splash with Project WET festivals).

Product: Completion of ten high-profile and balanced educational community/area-wide NPS pollution/solutions and water quality water education festivals organized for 9,000 middle and upper elementary youth and their teachers, thereby increasing

appreciation, knowledge and understanding of ND water quality/NPS pollution/solutions issues.

Cost: \$16,000

Task 9. Provide and complete varying level water quality/NPS pollution/solutions education programs for 20,000 K-12 youth at camps, school water education programs, water festivals and other K-12 and adult NPS pollution and water quality environmental community education events (includes stipend but does not include travel/per diem of non state employees – Project WET facilitators). Costs provide funding to only pay Project WET facilitators a stipend to help develop and complete these programs. Costs do not include any funding for Project WET Director.

Product: Completion of Project WET water quality/NPS pollution programs for 20,000 K-12 youth at youth camps, school water education programs, water festivals and other youth/adult NPS pollution and water quality environmental community education events.

Cost: \$14,000

Task 10. Develop and implement a total of two Discover Today's Watershed Institutes for 60 formal and nonformal K-12 educators with three graduate credits for each institute (includes stipend but does not include travel/per diem for non-state employees – Project WET facilitators). Costs provide funding to only pay Project WET facilitators a stipend to help complete these institutes. Costs do not include any funding for Project WET Director.

Product: 60 educators who gain an in-depth knowledge, appreciation and understanding of contemporary North Dakota watershed and water quality and NPS pollution/solutions issues.

Cost: \$22,000

Task 11. Maintain two statewide water education poster contests for 2,500 grade 3 youth with the theme of "Nonpoint Source Pollution – We All Cause It, We All Can Help Prevent It."

Product: 2,500 grade 3 students who receive an opportunity to develop fine art skills while depicting their understanding of NPS pollution/solutions and water quality issues.

Cost: \$2,000

Task 12. Develop and implement a total of two Advanced Watershed Applications Workshops for 40 formal and nonformal educators and 200 grades 9-12 students with two graduate credits

for the educators and ½ high school ecology credit and 1 semester hour of college credit for high school students.

Product: 40 educators and 200 grades 9-12 students who gain training and real world application in GIS, GPS, Arc View mapping, IVN, CBL's, Remote Sensing Career Exploration with real scientists and real world watershed, NPS pollution/solutions and water quality field analysis and data collection experience.

Cost: \$8,000

Objective 4.

Maintain the Project WET facilitator network of 30 formal and nonformal educators who help promote and enable Project WET water quality/NPS pollution/solutions educational resources, materials and opportunities to be delivered statewide to teachers and youth **(\$13,220).**

Task 13. Maintain Project WET water quality/NPS pollution/solutions facilitator network of 30 formal and nonformal educators, recognition and incentive programs and promotional materials.

Product: Methods to maintain existing facilitator network of 30 active facilitators and materials to recognize and promote Project WET facilitator network.

Cost: \$8,220

Task 14. Complete one statewide facilitator leadership training for 20 additional K-12 formal and nonformal educators.

Product: 20 additional motivated and trained K-12 formal and nonformal educators to promote and deliver Project WET NPS pollution educational resources, materials and programs across North Dakota.

Cost: \$5,000

Objective 5.

Provide a method of ongoing Project WET water quality/NPS pollution/solutions program monitoring, evaluation, oversight and direction through four Advisory/Executive Committee meetings and through evaluation of Project accomplishments, objectives, task outputs and benefits **(\$3,413)s**

Task 15. Complete four Project WET Advisory/Executive Committee meetings to monitor and evaluate along with provide oversight and direction for Project WET water quality/NPS/pollution programs.

Product: Method to monitor, evaluate and provide direction to Project WET water quality/NPS pollution objectives/tasks through four Project WET Advisory/Executive Committee meetings.

Cost: \$1,900

Task 16. Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments.

Product: Methods to monitor and evaluate progress toward accomplishment of Project objectives, task outputs and benefits.

Cost: \$1,513

3.3 MILESTONE TABLE FOR PROJECT WET WATER QUALITY/NPS POLLUTION EDUCATION PROGRAM FOR TEACHERS AND YOUTH

July 1, 2007– June 30, 2009

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1		YEAR 2	
			7/07	7/08	7/08	7/09
OBJECTIVE 1: MAINTAIN PROJECT WET MANAGEMENT AND SUPPORT SYSTEMS. Task 1: Employ a Project Director. a. Salary/Fringe b. Travel/Per Diem (includes non-state employees = facilitators)	NDSWC/Project Director	Project Staff and Project Facilitators	Ongoing – July 1, 2007 – June 30, 2009			
Task 2: Maintain cost of support services. a. Office Equipment/Supplies b. Postage/Printing c. Miscellaneous Supplies	NDSWC/Project Director	Project Support Services	Ongoing - July 1, 2007 – June 30, 2009			
Task 3: Support the cost of service contracts. a. Nine Teacher Centers b. Chemistry kits/water boots	NDSWC/Project Director; Involved Contractees	Mechanisms to Implement Project Services through Contracts	Ongoing – July 1, 2007, - June 30, 2009			
OBJECTIVE 2: MAINTAIN CLASSROOM – READY TEACHING AIDS. Task 4: Maintain Six Project WET NPS pollution/ water quality trunks/exhibits (EnviroScape).	NDSWC/Project Director	Use and Maintenance of Project Trunk/Exhibits	Ongoing – July 1, 2007 – June 30, 2009			
Task 5: Maintain Project WET NPS pollution/water quality curriculum/educational materials. a. National Project WET Activity Guides b. National Project WET supplemental water education materials c. Other water quality/NPS pollution education materials	NDSWC/Project Director	Purchase and Maintenance of Project NPS Pollution and Water Quality Educational Materials and Resources	Ongoing – July 1, 2007 – June 30, 2009			

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1		YEAR 2	
			7/07	7/08	7/08	7/09
and curriculum						
Task 6: Purchase new and maintain existing indoor/outdoor water quality/NPS pollution education and training resources. <ol style="list-style-type: none"> Repair and restock existing water quality test kits. Repair and replace hip boots/chest waders. Purchase other NPS Pollution/ water quality education/training resources. 	NDSWC/Project Director; Contracted Project WET Facilitator	Purchase and Maintenance of NPS pollution/ Water Quality Indoor/Outdoor Materials and Resources	Ongoing – July 1, 2007 – June 30, 2009			
OBJECTIVE 3: COMPLETE EDUCATIONAL OPPORTUNITIES FOR 32,470 K-12 FORMAL AND NON-FORMAL EDUCATORS, YOUTH AND ADULTS. <p>Task 7: Provide and complete varying level credit/non-credit educational programs for 550 formal and non-formal K-12 educators.</p> <ol style="list-style-type: none"> 1 hour and variable hour inservice for 250 educators 6 hour non/credit preservice workshops for 75 educators Fifteen 15 hour credit workshops involving 225 educators 	ND SWC/Project Director and Facilitators; Other Agencies, Organizations and Individuals	550 Knowledgeable Educators and Students on NPS Pollution/Solution Quality Resources and Water Resource Issues	Ongoing – July 1, 2007 – June 30, 2009			
Task 8: Provide funds to selected organizations to develop and complete ten NPS pollution and water quality festivals (Make a Splash with Project WET) involving 9,000 third, fourth and fifth graders.	NDSWC/Project Director and Facilitators; Involved Organizations	Completion of Selected NPS Pollution/Water Quality Festivals for 9,000 students.	April/May 2008 – April/May 2009; September/October 2007 – September/October 2008			
Task 9: Provide and complete varying level NPS/pollution water quality education programs for 20,000 K-12 youth and adults at camps/school programs, other youth water education events and at public water education events.	NDSWC/Project Director and Facilitators; Other Involved Agencies and Organizations	20,000 Knowledgeable K-12 Students on NPS Pollution and Water Quality Issues	Ongoing – July 1, 2007 – June 30, 2009			
Task 10: Develop and implement two	NDSWC Project WET	In-depth	July 2007 – July 2008			

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1		YEAR 2	
			7/07	7/08	7/08	7/09
Discover Today's Watershed Institutes for 60 formal and non-formal K-12 educators (three graduate credits each).	Director and Facilitators; Other Involved Agencies, Individuals and Organizations	Understanding of Contemporary ND Watershed, Nonpoint Source Pollution and Water Quality Issues and Concerns for 60 educators				
Task 11: Develop and implement two statewide NPS pollution/ water quality education poster contests involving 2,500 grade 3 youth with theme of "Nonpoint Source Pollution – "We All Cause It, We All Can Prevent It."	NDSWC/Project WET Director; KNDC; Grade Third grade Teachers and Youth	2,500 Grade 3 Student Understanding of NPS Pollution/Water Quality Issues	January/April 2008 – January/April 2009			
Task 12: Develop and implement two Advanced NPS Pollution/Water Quality Watershed Applications Workshops involving 40 formal and nonformal educators (two graduate credits each). Youth Technology and Career Exploration option for grades 9-12 (involving up to 200 students – ½ ecology HS credit and one undergraduate credit; one additional graduate credit for educators using IVN)	NDSWC/Project WET Director and Facilitators; Educational Consortium; Other Involved Individuals Agencies; Universities, Organizations and Businesses	Exposure and Training for 40 involved educators and 200 involved students in Advanced Watershed Technology (GPS, GIS, Arc View mapping, IVN, CBL's, Remote Sensing) to explore watershed NPS Pollution/Water Quality and Career Exploration with Real Scientists	July 2007 – July 2008			
OBJECTIVE 4: MAINTAIN FACILITATOR NETWORK AND PROMOTIONAL SUPPORT SYSTEM OF 30 PROJECT WET FACILITATORS. Task 13: Maintain facilitator network of 30 educators, the facilitator recognition and incentive programs and Project WET promotional materials.	NDSWC/Project Director and Facilitators; Other Involved Agencies and	30 Motivated and Trained Project WET Facilitators to Complete	Ongoing - July 1, 2007 – June 30, 2009			

PROJECT OBJECTIVE AND TASKS	RESPONSIBLE ORGANIZATIONS	OUTPUT	YEAR 1		YEAR 2	
			7/07	7/08	7/08	7/09
<ul style="list-style-type: none"> a. Facilitator recognition and incentive programs b. Project WET promotional and marketing materials c. Attend Project WET promotional meetings/conferences 	Organizations	Project Objectives/Tasks; Informed K-12 Educators and Interested Others				
Task 14: Complete one statewide facilitator leadership training for 20 additional K-12 formal and non-formal educators.	NDSWC/Project Director and WET Facilitators	Additional 20 Motivated and Trained Project WET Facilitators to Complete Project Objectives/Tasks	February 2008			
OBJECTIVE 5: PROVIDE A METHOD FOR ONGOING MONITORING, EVALUATION, OVERSIGHT AND DIRECTION THROUGH FOUR PROJECT WET ADVISORY/EXECUTIVE COMMITTEE MEETINGS AND THROUGH EVALUATION OF PROJECT ACCOMPLISHMENTS, OBJECTIVES, TASK OUTPUTS, AND BENEFITS.. Task 15: Conduct four meetings of Project WET Advisory Committee/Executive Committee.	NDSWC/Project Director and Advisory/Executive Committee Members	Method to Assess and Evaluate Project Objectives and Tasks through four meetings	Periodic as Needed July 1, 2007 – June 30, 2009	Periodic as Needed July 1, 2007 – June 30, 2009		
Task 16: Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments.	NDSWC/Project Director; Project Facilitators; Project Program Participants; and Participating Organizations	Methods to Track and Measure Project and Objectives Tasks through Formal Evaluation Techniques	Periodic as Needed July 1, 2007 – June 30, 2009	Periodic as Needed July 1, 2007 – June 30, 2009		

- 3.4** North Dakota Project WET, which was developed and implemented in 1984 by the ND State Water Commission, was the first Project WET program in the United States/world. North Dakota Project WET, through the ND State Water Commission, has a proven history of developing and implementing comprehensive water quality/NPS pollution programs for K-12 youth and adults. Project WET is the only statewide program in North Dakota which produces, uses and delivers hands-on NPS pollution/solutions and water quality education programs to K-12 educators and youth.

4.0 COORDINATION PLAN

- 4.1** The North Dakota State Water Commission (NDSWC), 900 East Boulevard Avenue, Bismarck, ND 58505 is the lead sponsor of the North Dakota Project WET NPS Pollution/Water Quality Program. The NDSWC operates in pursuit of three main goals:
- To regulate the use of water resources for the future welfare and prosperity of the people of North Dakota;
 - To develop the use of water resources for the future welfare and prosperity of the people of North Dakota; and
 - To educate the public regarding the nature and occurrence of North Dakota's water resources.

The 1983 water management plan public planning process determined that the North Dakota general public, as well as teachers and youth, knew very little about North Dakota statewide, watershed or local community water resource issues. As a result, a general adult and teacher water education program was initiated in 1984. During the period of 1985 through 1989 Project WET was developed and implemented by the NDSWC using North Dakota water education materials and resources. The NDSWC's Project WET North Dakota gained national attention and recognition and soon became a model for other states wanting to develop hands-on water resource education curriculum. In 1989, the NDSWC's Project WET program was pilot tested in Arizona, Idaho and Montana. This pilot test was the basis for the development of the National Project WET Program. The NDSWC began a far reaching enhancement and expansion of its Project WET program in 1993 through the Section 319 Nonpoint Source Pollution Program of the Environmental Protection Agency. The NDSWC has a demonstrated and proven record of developing and implementing innovative water and water quality/NPS pollution programs in North Dakota since 1993.

The NDSWC is the only sponsoring organization for the administration, management and implementation of the Project WET Water Quality/NPS Pollution Program for Teachers and Youth in North Dakota. There are no other entities, either through formal or informal agreements that sponsor the Project WET program.

Project WET North Dakota is funded partly with a Section 319 EPA Nonpoint Source Pollution Grant administered through the North Dakota Department of Health (NDDH) and sanctioned by the ND Nonpoint Source Task Force (NDNPSTS). A Section 319 NPS Pollution Project Implementation Plan (PIP) is submitted to both the NDDH and the NDNPSTF on a biennial basis. The NDSWC and the NDDH enter into a formal contract every state fiscal year which formalizes the pass through of Section 319 NPS Pollution EPA funds and delineates the responsibilities of each organization in the delivery of the Project WET program. North Dakota Project WET is also funded through state general or trust funds, fees charged to educators attending graduate credit programs and in-kind match.

- 4.2** Since 1984 North Dakota Project WET has had the support of local water, environmental, and education organizations. The North Dakota Water Resource Districts and North Dakota Water Users Associations have been instrumental in providing time, energy and, in certain instances, financial support to Project WET. Since 1993 the ND Water Education Foundation has supported the water education programs of Project WET with collaborative discussions. The local nine teacher learning centers in North Dakota have provided their support of Project WET by helping promote its educational opportunities to K-12 educators statewide. The ND Department of Public Instruction and the ND Educational Standards and Practice Board have provided support through alignment of Project WET credit programs with current K-12 educator continuing education requirements (eg. No Child Left Behind). The institutions of higher education, that provide graduate credit for Project WET workshops and institutes, have also aligned Project WET credit opportunities in the core subject areas to meet K-12 educator certification standards. Teacher education associations and organizations (NDEA, NDSTA, NDGA) have supported Project WET through ongoing invitations for Project WET to provide educational displays and presentations at association/organization meetings. Local school districts have requested Project WET educational opportunities to be presented at their schools. Natural resource agencies (USGS, SCD's, NDSU Extension Service, etc.) have asked Project WET to complete collaborative educational programs. Various other community and/or natural resource organizations have expressed their desire for Project WET to be involved in their environmental education efforts (Dakota Zoo, River Keepers, Dakota Science Center, Gateway to Science, Turtle Mountain Environmental Learning Center, Sully's Hill Natural Resources Program, etc.).
- 4.3** The ND State Water Commission's Project WET Program has a long history of coordination, cooperation, networking and interfacing with a wide array of local, state and federal water and natural resource related agencies, organizations, associations and programs in North Dakota, and many at the national level. Project WET has also been connected closely with the educational and environmental education community in North Dakota. The success of Project WET has been dependent upon this cooperative spirit. It has long been realized that the State Water Commission's Project WET Program, in carrying out it's mission of water quality/NPS Pollution education for K-12 educators and youth, must aggressively pursue coordinated resources, expertise and active participation of a wide array of educational, water and natural resource and environmental education entities.

Educational: Project WET fosters formal and informal communication and networking with a host of educational linkages. Contracts with the nine current (formerly 10) teacher learning centers are executed every ND fiscal biennium. These contracts delineate the responsibilities of Project WET and the Teacher Centers in regard to promotion of Project WET educational opportunities in local school districts statewide. Project WET communicates on a regular basis with the Minot State University, NDSU and UND continuing education departments regarding course proposal, cost and credit requirements for each of the institutions. The majority of Project WET formal educator offerings are accredited through these departments in their respective institutions. Project WET networks with the ND Department of Public Instruction and the ND Educational Standards and Practices Board to make sure its water education credit offerings meet current ND and national education standards that benefit ND formal K-12 educators. Project WET collaborates with the education departments and promotes water education programs for preservice teachers at four ND colleges and universities.

Project WET has built linkages with the ND Education Association, the ND Science Teachers Association, the ND Home Educator's Association, the ND Geographic Alliance, the ND Reading Association, the ND Principals Association and the ND Superintendents Association. Promotional displays and educational presentations have been completed at many of these association annual conferences since the late 1980's. Project WET has participated in the annual State Science Fair (since 1996) by providing awards for the best water quality/NPS Pollution projects in several student divisions.

Water and Natural Resources: Project WET continues to interface, collaborate and network with the ND water and natural resource community. Project WET involves all of the following agencies or organizations at various times in developing and completing its educational programs for K-12 educators and youth. Included are the ND State Water Commission, the ND Water Resource Districts and Water Users Associations, the ND Water Users Coalition, the ND Water Education Foundation, the ND Soil Conservation Districts Association, the ND Department of Health, the US Geological Survey, the US Bureau of Reclamation, the US Fish and Wildlife Service, the US Department of Agriculture, the US Army Corps of Engineers, the ND Forest Service, the ND Parks and Recreation Department, the Historical Society of ND and the ND Game and Fish Department.

Business and Industry: Project WET in North Dakota collaborates and networks with a wide variety of private and public business and industry in the development and implementation of the summer watershed institutes. Through contacts and tours, each summer institute expose Project WET NPS pollution/water quality goals and programs to energy, irrigation, agricultural processing and other ND industries. The Project WET director meets with the managers and public relations staff of these industries to promote water quality/NPS pollution education for teachers and students. Water quality/NPS pollution and water use in action is a very important educational component of Project WET. Each institute introduces as many as five to ten new industries/businesses to teachers attending the institute.

Environmental Education: Project WET continues to collaborate and network with the environmental education organizations in ND. One of the most important is the Coalition for Conservation and Environmental Education (C²E²). Project WET has been involved with this organization since it was initiated in 1995. All meetings have been attended and Project WET has been involved in helping complete all publications, resources and projects produced or initiated through C²E². Project WET routinely collaborates with the coordinators of Project Learning Tree (PLT), Project WILD and Project Food, Land and People (FLP) and other major natural resource/environmental education programs in ND to support the education of K-12 educators and youth. Project WET continues to collaborate and network with the Turtle Mountain Environmental Learning Center and Sully's Hill Natural Resource Program. Project WET has been involved in the non-profit organization Keep North Dakota Clean (KNDC) Project since 1998. Project WET has helped sponsor their statewide environmental youth (grades 1-8) poster contest by sponsoring grade level three which has a NPS pollution/water quality theme. Project WET has jointly coordinated water education programs with the girl and boy scout organizations in North Dakota as well as 4-H youth including youth leaders in all of these organizations. Project WET has been involved in the planning and implementation of the Red River and You watershed education program sponsored by the Red River Basin Board since 2000. Project WET has been involved with the ND Soil Conservation Districts Eco-Ed youth environmental education program since 1996 having presented

the water quality/NPS pollution section at over 130 of these events. Project WET has been involved with the planning and implementation of the ND Envirothon since 1999 and serves on its logistics and steering committees and has helped develop the water quality/NPS pollution component of this program. Project WET has attended all of the Project WET USA national conferences since they were initiated in 1995. This involvement has provided an opportunity to network with and learn from the other state Project WET programs and how they implement water quality/NPS pollution water education in their respective states.

- 4.4** Project WET is the only hands-on statewide water science and water quality/NPS pollution education program operating in North Dakota for K-12 formal/nonformal educators and K-12 students. It is the only statewide water quality/NPS pollution education program that produces and uses comprehensive water quality education programs, resources and materials in all potential settings of K-12 educators and youth. Project WET is the only statewide hands-on water quality education program in ND that directs its entire program to water education. Project WET is involved in and collaborates with all other Information/Education 319 NPS pollution funded programs in North Dakota. Project WET has a unique quality water education program and unique placement in the water quality/NPS pollution education program in North Dakota. There are no other similar 319 NPS pollution funded programs in North Dakota. Therefore, there is no duplication or replication of 319 NPS pollution funding.

5.0 EVALUATION AND MONITORING PLAN

- 5.1** The State Water Commission's WET Program utilizes a variety of organizations which aid in monitoring and evaluating the extent of success in meeting the goals, objectives and tasks as delineated in this plan. These include: 1) the Project WET Advisory Committee of the State Water Commission; 2) The ND Department of Health and the Non-point Source Pollution Task Force; 3) teachers and youth involved in utilizing and/or attending Project WET water quality/NPS initiatives; 4) water related agencies, organizations and/or associations directly and indirectly participating in Project WET water quality/NPS initiatives; 5) schools and institutions sponsoring programs and/or credit; 6) Project WET facilitators; 7) the Project WET director through the 319 Non-point Source Pollution Project Implementation Plan; 8) the ND State Water Commission; and 9) the ND State Legislature. **A description of the roles and responsibilities of these entities can be found in the Appendix As PROJECT EVALUATION AND MONITORING PLAN ROLES AND RESPONSIBILITIES. A description of the cumulative successes and accomplishments of the Project can be found in the Appendix as CUMULATIVE PROGRESS (October 1, 1993 – September 1, 2006).**

The following depicts specific methods that will be used to track and measure progress and benefits to targeted groups served by the Project. Described will be specific actions/measures (what, when, where, and how) that will be used to evaluate and monitor progress toward accomplishment of task outputs and objective endpoints. The Project will use questionnaires/surveys, audience feedback and in some instances, pre and post testing to: 1) track the degree to which teachers are using Project resources, materials and training in the classroom; 2) evaluate changes in student and teacher understanding of learning taken; and 3) document participant numbers and satisfaction with the program.

Since the start of the Project WET NPS Pollution/Water Quality Program for Teachers and Youth in 1993, exit surveys have been provided to all educators that have completed a one, two, three and four credit graduate level workshop or institute. These surveys have provided objective information and evaluation on teacher learning obtained from all educational components instructed, the educational quality and usefulness of materials and resources provided, the quality of the instructors, the quality and usefulness of the methods and techniques of instruction and the overall value of the workshop/institute to their school curriculum standards and grade and subject levels taught. These exit surveys will be continued and results will be incorporated into the annual report for the NPS Pollution grant.

In addition to the exit surveys, follow-up surveys will be provided to teachers who have completed credit workshops within a specified time to assess their usage of the learning and the materials they received at a credit workshop/institute and also to assess student learning. The follow-up surveys will also be incorporated into the annual report for the NPS Pollution grant.

Documentation of many of the task outputs and objective endpoints can be found in the Appendix as Cumulative Progress.

Additionally, Project WET will begin to have all non-credit one-six hour program participants complete an exit survey with results also incorporated into the annual report for the NPS Pollution grant.

All youth programs (water festivals, eco-ed programs) that the Project WET NPS pollution/water quality program is involved in, but is not the primary organizer, generally complete exit surveys of the various groups involved in the program (ie., teachers, youth, volunteers, presenters, etc.). The Project WET director will begin requesting a copy of the evaluations for these types of programs. Of course, for any Project WET NPS Pollution/water quality youth programs that are organized and completed through just Project WET, all participants will be required to complete exit survey which assess learning and basic understanding of learned program components. These survey results will be incorporated into the annual report for the NPS Pollution grant.

6.0 PART ONE

BUDGET TABLE FOR NORTH DAKOTA PROJECT WET WATER QUALITY/NPS POLLUTION EDUCATION PROGRAM FOR TEACHERS AND YOUTH July 1, 2007 – June 30, 2009

PROJECT YEAR	JULY 1, 2007 – JUNE 30, 2008	JULY 1, 2008 – JUNE 30, 2009	July 1, 2007 – June 30, 2009 TOTAL
EPA SECTION 319 FY 2007 FUNDS REQUESTED	\$85,000	\$85,000	\$170,000
EPA SECTION 319 FY 2007 MATCH FUNDS SECURED FOR FUND REQUEST	\$56,666	\$56,667	\$113,333
TOTAL PROJECT COSTS EPA SECTION 319 FY 2007 FUNDS REQUESTED	\$141,666	\$141,667	\$283,333

6.0 PART TWO
BUDGET TABLE FOR PROJECT WET WATER QUALITY/NPS POLLUTION EDUCATION PROGRAM
FOR TEACHERS AND YOUTH
July 1, 2007 – June 30, 2009

PROJECT OBJECTIVES AND TASKS	FEDERAL 319 FUNDS		MATCHING FUNDS		TOTAL FUNDS
	07-08	08-09	07-08	08-09	07-09
OBJECTIVE 1: PROJECT WET MANAGEMENT AND SUPPORT SYSTEMS.	\$ 51,600	\$ 51,600	\$ 34,440	\$ 34,440	\$ 172,200
Task 1: Employ a Project Director	47,100	47,100	31,400	31,400	157,000
a. Salary/Fringe	39,334	39,334	26,222	26,222	131,112
b. Travel/Per Diem (including non-state employees = facilitators)	8,216	8,216	5,478	5,478	27,388
Task 2: Maintain cost of support services.	1,800	1,800	1,200	1,200	6,000
a. Office Equipment/Supplies	360	360	240	240	1,200
b. Postage/Printing	900	900	600	600	3,000
c. Miscellaneous Supplies	540	540	360	360	1,800
Task 3: Support the cost of service contracts.	2,760	2,760	1,840	1,840	9,200
a. Nine ND Teacher Centers	2,160	2,160	1,440	1,440	7,200
b. Chemistry kits/water boots	600	600	400	400	2,000

PROJECT OBJECTIVES AND TASKS	FEDERAL 319 FUNDS		MATCHING FUNDS		TOTAL FUNDS
	07-08	08-09	07-08	08-09	07-09
OBJECTIVE 2: MAINTAIN CLASSROOM – READY TEACHING AIDS	\$ 6,000	\$ 6,000	\$ 4,000	\$ 4,000	\$ 20,000
Task 4: Maintain Six Project WET Trunk/Exhibits (EnviroScape).	140	140	110	110	500
Task 5: Maintain Project WET curriculum/educational materials.	5,400	5,400	3,600	3,600	18,000
a. National Project WET Activity guide	1,140	1,140	760	760	3,800
b. National Project WET supplemental water education materials	3,960	3,960	2,640	2,640	13,200
c. Other water quality/NPS Pollution education materials	300	300	200	200	1,000
Task 6: Purchase new and maintain existing indoor/outdoor water quality/ NPS Pollution education and training resources.	450	450	300	300	1,500
a. Repair and restock existing water quality test kits	300	300	200	200	1,000
b. Repair and replace hip/boot chest waders	90	90	60	60	300
c. Purchase other water quality/NPS pollution education/training resources	150	150	100	100	500

PROJECT OBJECTIVES AND TASKS	FEDERAL 319 FUNDS		MATCHING FUNDS		TOTAL FUNDS
	07-08	08-09	07-08	08-09	07-09
OBJECTIVE 3: COMPLETE EDUCATIONAL OPPORTUNITIES FOR 32,470 K-12 FORMAL AND NON-FORMAL EDUCATORS, YOUTH AND ADULTS	\$ 22,350	\$ 22,350	\$ 14,900	\$ 14,900	\$ 74,500
Task 7: Provide and complete varying level credit/non-credit educational programs for 550 formal and nonformal educators.	3,500	3,500	2,750	2,750	12,500
a. 1 hour and variable hour inservice for 250 educators	600	600	400	400	2,000
b. 6 hour non-credit preservice workshops for 75 educators	150	150	100	100	500
c. Fifteen 15 hour credit workshops involving 225 educators	3,000	3,000	2,000	2,000	10,000
Task 8: Provide funds to selected organizations to develop and complete ten water quality and NPS Pollution festivals (Make A Splash with Project WET) involving 9,000 third, fourth and fifth graders.	4,800	4,800	3,200	3,200	16,000
Task 9: Provide and complete varying level NPS Pollution and water quality education programs for 20,000 K-12 youth and adults at camps/school programs, other youth water education events and public water education events.	4,350	4,350	2,900	2,900	14,500
Task 10: Develop and implement two Discover Today's Watershed Institutes for 60 K-12 formal and nonformal educators (three graduate credits each).	6,600	6,600	4,400	4,400	22,000

PROJECT OBJECTIVES AND TASK	FEDERAL 319 FUNDS		MATCHING FUNDS		TOTAL FUNDS
	07-08	08-09	07-08	08-09	07-09
Task 11: Develop and implement two statewide NPS Pollution/water quality education poster contests involving 2,500 grade 3 youth with theme of “Nonpoint Source Pollution – We all Cause It, We All Can Help Prevent It.”	560	560	440	440	2,000
	2,400	2,400	1,600	1,600	8,000
Task 12: Develop and implement two Advanced NPS Pollution/Water Quality Watershed Applications Workshops for 40 formal/nonformal educators and 200 grades 9-12 students (two graduate credits – educators; ½ high school ecology credit/one college credit – students). One additional graduate credit option for educators					

PROJECT OBJECTIVES AND TASKS	FEDERAL 319 FUNDS		MATCHING FUNDS		TOTAL FUNDS
	07-08	08-09	07-08	08-09	07-09
OBJECTIVE 4: MAINTAIN FACILITATOR NETWORK AND PROMOTIONAL SUPPORT SYSTEM OF 30 PROJECT WET FACILITATORS.	\$ 3,966	\$ 3,966	\$ 2,644	\$ 2,644	\$ 13,220
Task 13: Maintain facilitator network of 30 educators, the facilitator recognition and incentive programs and Project WET promotional materials.	2,466	2,466	1,644	1,644	8,220
a. Facilitator recognition and incentive programs.	450	450	300	300	1,500
b. Project WET promotional and marketing materials.	1,866	1,866	1,244	1,244	6,220
c. Attend Project WET promotional meetings/ conferences.	140	140	110	110	500
Task 14: Complete one statewide facilitator leadership training for additional 20 K-12 formal and nonformal educators.	1,500	1,500	1,000	1,000	5,000
OBJECTIVE 5: PROVIDE A METHOD FOR ONGOING MONITORING, EVALUATION, OVERSIGHT AND DIRECTION THROUGH FOUR PROJECT WET ADVISORY/ EXECUTIVE COMMITTEE MEETINGS.	1,024	1,024	682	683	3,413
Task 15: Conduct four meetings of Project WET Advisory/Executive Committee.	570	570	380	380	1,900
Task 16: Complete various methods to track and measure (evaluate) Project objectives, task outputs, benefits and accomplishments.	454	454	303	302	1,513
TOTAL FUNDING	\$ 85,000	\$ 85,000	\$ 56,666	\$ 56,667	\$ 283,333

APPENDIX

PROJECT DESCRIPTION COMPONENTS

Educational Resources and Materials (Overall 80% Directly related to NPS Pollution/Solutions and Water Quality Issues through Educator Curriculum and Activity Guides, KIDS Youth Activity Booklets, Educational Trunks and Water Quality Monitoring Equipment).

The centerpiece of the Project WET curriculum program is the Project WET K-12 Curriculum and Activity Guide which includes over 90 hands-on, active and innovative water and watershed activities that incorporate a variety of formats, such as large and small group learning, whole body activities, laboratory investigations, local and global topics, and involvement in community service projects. For more in-depth investigation of specific topics, North Dakota Project WET provides resource/curriculum guides that supplement the Project WET guide. Some guides include an extensive resource and reference section and all include hands-on activities. The format of the activities within each guide is modeled after the Project WET Guide. Current guides available are Discover A Watershed- Missouri River guide (thirty-six science-based, multidisciplinary, and hands-on activities including an extensive background section pertaining to the Missouri River watershed for grades 6-12); WOW! The Wonders of Wetlands guide (forty cross referenced and hands-on multi-disciplinary activities and an extensive background section pertaining to wetlands for grades K-12); the Conserve Water Guide (fifteen hands-on, science – based and multi-disciplinary activities and ten real life case studies for grades 6-12); Healthy Water/healthy People Water Quality Guide and Test Kit Manual (25 hands-on, multi-disciplinary and science-based activities quality test kits for 6-12); and a Watershed Managers Guide(fifteen hands-on science-based and multi-disciplinary activities which deliberate real world watershed management challenges for grades 6-12. Project WET also offers a comprehensive guide on how to develop and complete youth water festivals/celebrations, storybooks on the Rainstick and on Spring Water, and fun-filled Kids in Discovery (KIDS) activity booklets for youth on water conservation, water resources, stormwater, watershed protection, wetlands, water-every drop counts, oceans, big rivers, Red River of the North, groundwater and springs, Missouri River, water use, water quality, Lewis and Clark, fishing, Native waters and many others. The KIDS activity booklets are each colorful, 16 pages and include hands-on investigations, demonstrations, science experiments, science education and games and stories for grades 3-6.

In addition to the Project WET K-12 Curriculum and Activity Guide, the special topic-focused “water curriculum and activity guides” and youth activity booklets, North Dakota Project WET offers educators and youth water resource trunk programs (water pollution, water history), and water resource reference materials. Project WET offers supplemental water resource education posters, North Dakota water resource and specialized watershed maps, and supportive publications. Topics covered through Project WET include atmospheric, surface and groundwater, water quality and quantity, watershed and water management, and water use, protection and conservation. A supplemental North Dakota activity guide, the “K-12 Wetland Discovery Guide, “ a North Dakota Water Resource and Reference Folder, a comprehensive guide on how to develop and complete a youth water festival/celebration, a series of environmental education trading cards and a wide array of observational, chemical, physical and

biological water quality investigation materials are also offered through Project WET. Correlated to Objective 2, Task 5.

Education Programs for K-12 Formal and Nonformal Educators (Overall 80% Directly Related to NPS Pollution/Solutions and Water Quality Issues through Educator Training at Various Lengths and Intensity of Programming).

Project WET programs are designed to help youth learn how to think, not just what to think. Program provide a means for teachers and youth to grasp fundamental concepts related to water resources, water quality, watersheds, NPS pollution and the environment. Through Project WET programs, teachers and youth obtain skills for acquiring knowledge, test and apply that knowledge, and evaluate the results of their actions.

Project WET programs are disseminated to K-12 formal and non-formal educators through a variety of types of educational options. These options vary from one – two hour inservice sessions to single credit workshops to five-day three graduate credit intensive summer institutes. The predominance of graduate credit offerings is partly a product of the history of continuing education policies by the state universities and colleges, local school boards and school administration, the State Department of Public Instruction, the Educational Standards and Practices Board and the needs of educators.

The major Project WET educational program options for K-12 formal and nonformal educators are:

Inservice: (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): One – two hour inservices are preferred although special three-four hour topic or thematic workshops or programs can be completed. No university credit is available. Depending upon school CEU's (Continuing Education Unit) inservice credit may be available. Intended to introduce practicing educators to the Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3 Task 7

University Preservice (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Length and program variable and usually negotiated with university or college. Should be six hours in length to provide Project WET K-12 Curriculum Guide, KIDS (Kids in Discovery Series booklets) and North Dakota Activity Guides (water resource posters, brochures, flyers can be made available). Credit is inherent through university or college as a required or extra program option for preservice teachers. Intended to provide preservice educators with a basic understanding of Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

Six Hour Noncredit Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Generally the minimum length workshop for participants to receive national Project WET and North Dakota curriculum and activity guides, posters and other water quality/NPS education materials. No university credit is available. Depending upon school administration, recertification inservice credit may be available to formal educators. Intended to

provide practicing educators with basic understanding of Project WET curriculum/activity guides, KIDS water quality/NPS pollution activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

Fifteen-Hour Credit Workshop (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): One semester graduate credit available through Minot State University, UND or NDSU. Participants receive appropriate national Project WET and North Dakota curriculum and activity guides, reference and resource materials, posters, water resource maps and other education materials. Nine different credit workshop options are available: Project WET/Watershed Management; Project WET/Missouri River; Project WET/Water Celebration; Project WET/Water Quality (Healthy Water, Healthy People); Project WET/Wetlands; Project WET; Project WET/Lewis and Clark; Project WET/Conserve Water Workshop; and Project WET/Red River Workshop. Many variations of the above options are also available based upon request of educators. Intended to provide practicing educators with a more in-depth understanding of North Dakota water quality/NPS pollution issues and solutions through Project WET curriculum/activity guides, KIDS youth activity booklets and water quality testing materials. Correlated to Objective 3, Task 7.

Summer Advanced Watershed Applications Workshops (30 Hour Two Credit Workshop) (90% Directly Related NPS Pollution/solutions and Water Quality Issues): This Advanced Watershed Applications workshop is designed to provide up to 20 educators per year the tools they will need to connect their students with practicing scientists and provide a real world application to the science being taught in their classroom. Educators will learn basic applications and methods for instruction to their students for practical field experience. The two-credit workshop is open to teachers that have completed a summer watershed institute through the North Dakota State Water Commission and have an interest in extending their knowledge to advanced watershed and water quality/NPS pollution methods and techniques. Some of the topics covered during this workshop will include introduction to the use of the GIS, Arc View mapping, IVN, CBL's, GPS and Remote Sensing techniques as applied to field water quality/NPS pollution issues and testing in real world watersheds. Educators involved in the workshop will also be planning a collaboration process between other teachers, students and professionals. In addition to the training and two graduate credit option, workshop participants will receive resources that can be used in their classroom and will have the opportunity to provide a real-world science experience for their students over the following school year using the advanced watershed/water quality/NPS pollution methods and techniques they learned. A third credit option will be available to those educators who elect to formally use the IVN with students from their classroom who have elected to become involved in the Youth Technology and Career Exploration program geared toward connecting classroom learning with watershed and water quality/NPS pollution field practices and methods. Training will be provided by experts in each area of technology whether they are from public agencies, universities and/or the private sector. Project WET facilitators will provide overall guidance and facilitation. NPS pollution funds will be used to augment funds from other sources as a 50% match.

Intended to introduce educators to real world watershed technology application methods and techniques in the areas of water quality/NPS pollution and solutions to issues that are present in a watershed. Correlated to Objective 3, Task 12.

Summer Watershed Institutes (45 Hour Three Credit Institute) (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Project WET offers five-day intensive summer institutes for educators and youth leaders (June or July of each summer). These programs each (Discover Today's Devils Lake, Missouri River, James and Sheyenne Rivers, Souris River, the Southwest River Institutes) offer three graduate credits through Minot State University, UND and NDSU. Educators and youth leaders receive appropriate national Project WET and North Dakota curriculum and activity guides, reference and resource materials, posters and other educational materials as indicated on Project WET annual credit options flyer. Intensive water quality/NPS pollution/solutions presentations, tours investigations, hands-on activities and model demonstrations are included these institutes.

Intended to provide a basic but in-depth understanding and knowledge of watershed dynamics and management in relationship to water quality and NPS pollution/solutions and how water is used and treated in a watershed. Correlated to Objective 3, Task 10.

Educational Programs for K-12 Youth and Adults (Overall 80% Directly Related to NPS Pollution/Solutions and Water Quality Issues):

Project WET NPS pollution/water quality programs are disseminated directly to K-12 youth thorough a variety of types of educational options. The four primary types of options are: water festivals/celebrations; youth camps/events; youth service or action projects; and the youth technology and career exploration program. Project WET sponsorship or facilitation of K-12 youth NPS Pollution/Solutions and Water Quality Issues in the past eight years has seen a very high growth. Thousands of youth every year hear the water quality/NPS pollution education message through these programs.

Water Festivals/Celebrations (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Water festivals/celebrations can be part day to four-day events to educate youth (could include adults in the form of a Family Exploration Night) about the importance of keeping our water clean, protecting our water against NPS pollution and other water quality issues and problems in their lives. The particular length, type of program and grade levels of youth targeted to attend is tailored to meet the needs of the local sponsoring schools and organizations (Usually fourth or fifth grade youth, but can be any combination of grade school youth). Water festivals/celebrations can be held indoors and/or outdoors depending upon the timing and setting of the planned event. They can involve less than one hundred to nearly two thousand youth. Most events include hands-on Project WET and other classroom ready NPS pollution and other water-related activities, demonstrations and exhibits. Large events can also include contests, games, a teacher resource area and NPS pollution related entertainment. Large or small, the purpose of a water festival or celebration is to expose youth to a wide variety of NPS pollution and water quality and watershed pollution issues. Generally targeted to elementary to middle school youth, these NPS/pollution water quality education events can involve a single school, community-wide schools and/or area wide or regional schools. The amount of planning and organizational time as well as financial commitment needed to complete a water festival or celebration depends upon the goals of the sponsoring school(s) or organizations(s) and can vary

from low to high cost. Project WET is collaborating with an increasing number of potential sponsors to complete this type of NPS pollution water education program. North Dakota Project WET has produced “Make a Splash with Your Own Water Festival” water festival guide for any school or organization that would like to develop and complete a NPS pollution water quality festival.

ND Project WET contracts with local sponsoring organizations to provide some of the funding to offset costs associated with contacting school administrators and educators within school systems, recruiting presenters, volunteers and exhibitors, developing schedules and appropriate NPS pollution/water quality hands-on activities and in promoting the water festival. The Make a Splash with Project WET and other non-funded water festivals is a critical component of the Project WET NPS Pollution grant. As such, Project WET is interested in working with a local sponsoring organization to expand this program to Minot. The intent of the festivals is to educate North Dakota youth on NPS pollution/solutions, watershed and other water quality issues. Correlated to Objective 3, Task 8.

Youth Technology and Career Exploration (90% Directly Related NPS/Pollution/Solutions and Water Quality): Grade 9-12 youth along with their teachers will explore water quality career opportunities that apply their knowledge gained in their science classroom to the real world. This knowledge is derived from their teachers who have taken the Advanced Watershed Applications Workshop. Youth and their teachers will collaborate with other teachers, youth and professionals around the state to collect water quality data and interpret their findings through distance learning techniques. Youth will have the opportunity to earn ½ high school ecology credit and 1 semester hour undergraduate college credit. They will gain experience in understanding the relationship between human use of land in a watershed and how NPS pollution occurs in a watershed, collecting water quality data, collaborate with other youth and scientists around the state in sharing their collected data and receive water quality career awareness education from these real world scientists. Teachers will have an opportunity to earn an additional college graduate credit, gain experience assessing land uses and Best Management Practices within a watershed in water quality testing and interpretation and receive watershed/NPS pollution/BMP materials that can be used in the classroom.

The intent of this program is to provide a select number of grade 9-12 youth with an opportunity to learn from their teachers a basic knowledge of advanced science application and technology methods and techniques as they relate to watershed dynamics and approaches to determining NPS pollution/water quality issues and their recommended solutions including using and recording biological, chemical and physical monitoring data and sharing that data via distance learning techniques with other youth in the program. Another intent is for these select group of youth to learn about career opportunities in NPS pollution/water quality science through the IVN. Career scientists and professionals would relate their education, special areas of interest and work responsibilities on the IVN to participating grades 9-12 youth. Training for the youth would focus on careers that relate to all aspects of NPS pollution/solutions and water quality. Correlated to Objective 3, Task 9.

Youth Camps/Youth Events (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Project WET participates in youth camps and youth events that promote their

education in NPS pollution/solutions and water quality issues. Project WET involvement can be indoor/outdoor part-day to multi-day programs to inform and educate youth about the importance of water quality. Programs are generally tailored to meet the needs of the sponsoring youth organization in terms of length, intensity and diversity of topics covered. These organizations can include boy and girl scouts, church sponsored youth programs, 4-H youth programs, science centers, museums, environmental learning centers, zoos, soil conservation district Eco-Ed programs, state park youth programs, community public sponsored youth programs and any type of youth gathering or function. As with water festivals/celebrations, youth camp or youth event programs include Project WET and other hands-on classroom ready activities, exhibit areas demonstrations, contests and games focused on NPS pollution/solutions and water quality issues. Youth are exposed to selected activities. You are exposed to selected activities that best meet the needs of the age group and organization.

Youth programs are generally attended by specific targeted youth through sponsoring organization enrollment and/or invitation. Youth camp/event NPS pollution/solutions and water quality issues education programs vary in length of time and content depending upon sponsoring organization goals and participating presenters. Correlated to Objective 3, Task 9.

Family Community Centered Programs (80% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Project WET participants in family and community centered events. These events can be sponsored by governmental agencies, environmental organizations, science centers, zoos, schools and school PTO's community public organizations, state parks, natural resource organizations, water resource management/delivery agencies and organizations, youth organizations, community clubs, university college events, and any other group interested in promoting NPS pollution/solutions and water quality issues education. Often family and community programs are developed with youth water festivals, community art/craft shows, youth and community exhibitions, community recognition events, local historical events, youth camps, local, county and/or state fairs and many other events. Or they can be developed as a stand alone program to educate the general public about NPS pollution/solutions and water quality issues. Correlated to Objective 3, Task 9.

Water Actions – Community Service Learning Projects (90% Directly Related to NPS Pollution/Solutions and Water Quality Issues): Project WET works with K-12 educators and youth to develop and complete NPS pollution/solutions and water quality related community action/service learning projects. These projects get teachers/youth involved in tackling problems or issues, or that aim at improving an environmental setting. They are often most successful when they are focused on the local community. An action project can be simple or complex and can fit into variety of educational settings. Many educators find that action education blends well with their regular teaching duties, while other educators choose to make it the basis for after-school sessions.

Action learning is also effective in nonformal settings. Nature centers, community water-related infrastructure and industry, zoos, scouting and 4-H programs, bible camps, community parks, public schools and science centers all have strong potential for action projects. Community action and service learning projects related to water can include water quality issues education, best management practices education, water festivals, family/community centered education

programs, community group presentations, trail work, litter patrols, developing a school environmental club, designating and protecting environmentally sensitive areas, implementing water conservation practices, riparian restoration projects, cleaning up a river, storm drain stenciling projects, fund-raising for cleaning up a water resource, influencing laws and regulations that affect NPS pollution and water quality issues, monitoring lakes, rivers, streams and watersheds, replanting vegetation along waterways, cultural/historical designation of waterways, designing and developing a school nature site, assessing the total health of a watershed and its waterways and many others. Projects can take place at home, in school, in the community, on the farm or anywhere in a local watershed. Correlated to Objective 3, Task 9

PROJECT EVALUATION AND MONITORING PLAN ROLES AND RESPONSIBILITIES

- 1) Project WET Advisory Committee:** The Project WET Advisory Committee has a very important role in ongoing monitoring and evaluation of Project WET water quality/NPS pollution education activities. The Project WET director completes an annual progress report on all activities scheduled to be started, developed and/or completed during that particular one year time period for review by the Advisory Committee. This report is also utilized as the annual progress report required by the 319 NPS pollution grant. All Advisory Committee members are Project WET facilitators and are actively involved in ongoing monitoring and evaluation through personal participation in Project WET activities. Monitoring and evaluation through the Advisory Committee is completed through e-mail, mail, the telephone and the annual meeting.

Project WET water quality/NPS pollution activities described in this plan are reviewed by the Advisory Committee. The Advisory Committee can recommend changes in plan activities as a result of their review.

The primary objectives of the Advisory Committee are to:

- Assist in determination of program and resource needs and the monitoring and evaluation of Project WET and its overall programs, activities and accomplishments;
- Provide consultation and technical assistance in the implementation, maintenance, direction and future of Project WET;
- Assist in coordinating and networking Project WET with the educational and water communities at all levels and with other water related and environmental education providers and programs; and
- Assist in stimulating school, teacher and youth, natural and water resource and public leader interest in Project WET.

- 2) ND Department of Health (NDDH)/Non-Point Source Task Force (NPSTF):** The NDDH has a mandated role in the monitoring and evaluation of all Project WET water quality/NPS pollution goals, objectives and tasks. As the lead agency responsible for the pass through of funds from the EPA to the NDSWC, the NDDH is responsible to assure that all EPA requirements are met by the NDSWC as a recipient

of Section 319 NPS pollution funds. Some of these requirements include: 1) daily/monthly tracking of time and work duties allocated to the project; 2) completion and submittal of all semi-annual and annual project progress reports; 3) completion and submittal of quarterly Requests for Reimbursement for Section 319 federal funds; 4) signatory to and approval of annual contract for project between the NDDH and the NDSWC; and 5) completion and submittal of any changes in project objectives and tasks along with monitoring overall project accomplishment. The NDDH must also provide the NPSTF with reports on the progress of Project WET in meeting its stated project goals, objectives and tasks and must develop rules and guidelines for NPSTF review of Project WET and other 319 NPS Pollution Project Implementation Plans.

- 3) **Teachers and Youth:** All Project WET graduate credit educational offerings provide teachers an opportunity to evaluate (on-site) educational offerings in which they participate in. A formal evaluation questionnaire is provided to each participant that includes an evaluation of the reasons for attending, the most effective course components, an evaluation of the instructor(s)/facilitator(s), suggestions for improvements and course relevance to local and statewide educational standards. Separate evaluations are developed for the Project WET summer institutes. Teachers also evaluate their satisfaction with Make A Splash water festivals and their effectiveness in increasing youth learning on water quality/NPS pollution water issues provided through the festivals. Youth participating in these festivals and other jointly sponsored educational offerings are also given an opportunity to evaluate their own learning attained and the program itself.
- 4) **Water Related Agencies, Organizations and Associations:** Project WET provides an annual listing of its educational offerings and collaborative meetings to all water resource districts with an invitation to provide comments on this listing. All water resource districts and soil conservation districts also receive brochures and flyers on the Project WET program and credit educational offerings. Opportunity is provided for these organizations to make comments on the direction and effectiveness of Project WET.
- 5) **Schools and Institutions:** School districts that sponsor/host a Project WET educator credit or youth program are given an opportunity to informally evaluate/comment on the program and its effectiveness/contribution to teacher/student learning.

Minot State University, UND and NDSU all have developed their own evaluation forms to provide their respective institutions with a formal method to look at all Project WET educator credit offerings and their effectiveness in meeting educator learning standards. These and other institutions have invited Project WET to be a part of their preservice educational methods classes. This gives their students an opportunity to evaluate student learning and the effectiveness of the Project WET program taken.

- 6) **Project WET Facilitators:** All Project WET facilitators are involved in ongoing monitoring and evaluation as part of their participation in and utilization of Project WET educational offerings and materials. There are ongoing discussions through e-mail, mail and telephone correspondence regarding the progress of Project WET in meeting the objectives and tasks described in the PIP. Nearly all members of the Project WET Advisory/Executive Committees are also Project WET Facilitators. This provides an opportunity for these facilitators to have a major impact on overall Project WET effectiveness. Several facilitators participate in the annual training and evaluation meeting.
- 7) **Project WET Director:** The Project WET director is responsible for ongoing monitoring of the Project Implementation Plan (PIP) and for directing the overall monitoring and evaluation components described above. The director also completes semi-annual and annual progress reports as a requirement for the Nonpoint Source Pollution Task Force. The Project WET director monitors the 319 NPS pollution grant monthly and quarterly expenditures. The Project WET director also submits an annual progress report to Project WET USA as its contribution for an overall national Project WET USA progress report.
- 8) **ND State Water Commission:** Ongoing meetings are held between the NDSWC Planning and Education Division director and the Project WET director regarding the current status of Project WET, the NPS pollution grant and what program changes, deletions and/or additions should or could take place. The Project WET director completes a report each month to the Planning and Education Division director on accomplishments of Project WET toward meeting the 319 NPS pollution grant objectives, tasks and projects that will be accomplished in the following month. The Project WET director completes a brief annual report to the NDSWC on Project WET program accomplishments and overall numbers of educators, youth and adults who receive its services. The Planning and Education Division director meets weekly with the State Engineer and other NDSWC department heads to discuss division (including Project WET) status and accomplishments. The State Engineer, as chief administrator for the NDSWC, signs all contracts between the NDSWC (Project WET) and the NDDH regarding the 319 NPS pollution grant as well as quarterly Requests for Reimbursement. The State Engineer also determines the general fund match to the 319 NPS pollution grant.
- 9) **State Legislature:** Project WET uses a general fund allocation, determined on a biennial basis, as part of the matching funds to the 319 NPS grant. Every biennium, the NDSWC prepares a budget request to the Governor's Office and to the ND State Legislature. The Project WET general fund is a part of this request. The state legislature process includes a review of the Project WET general fund request and the effectiveness of its programs.

CUMMULATIVE PROGRESS (October 1, 1993 – September 1, 2006)

The Project WET NPS Pollution/water quality program provides hands-on, classroom-ready, unbiased NPS pollution/water quality education programs, resources and materials to K-12 educators, K-12 youth, youth organization leaders, resource agency educators, natural resource program personnel, community residents and other targeted groups as listed in the FY 2007 PIP about North Dakota NPS pollution and water quality issues and topics, including atmospheric, surface and groundwater issues and their respective quality, watershed protection and best management practices and water use and water conservation.

The Project WET NPS pollution/water quality program is delivered through instructional credit and noncredit workshops and seminars, elementary and secondary educator and interested organization inservice opportunities, university preservice opportunities, youth camps and youth programs, community, public and family programs, water festivals and water celebrations and summer institutes. Educational materials and resources include Project WET USA and ND Project WET supplementary curriculum materials, youth activity booklets, water education posters, simulation model/trunks and indoor/outdoor water quality investigation materials for educators working with kindergarten through high school age youth.

Project WET NPS pollution/water quality educational programs, resources and materials take into consideration the various learning styles of educators and youth and are designed to “fit” into existing school subjects and curriculum. Other characteristics of the Project WET NPS pollution/water quality program include hands-on, self contained, easy to use, nonbiased and age-appropriate curriculum and youth activity booklets and materials that promote critical thinking and problem solving skills.

Past instructional institutes include the Summer Water Quality Institute (1994 – 2001, three and four graduate credits, offered eight times involving 256 educators); and Lewis and Clark’s Missouri River Cultural History Institute (1999 – 2002, four graduate credits, offered four times involving 164 educators). The current institutes offered are the Discover Today’s Missouri River Institute (2003 - 2005), three and four graduate credits, involving 102 educators), the Discover Today’s Devils Lake Dilemma Institute (2004 – two graduate credits involving 24 educators) and the Discover Today’s James and Sheyenne Rivers Institute (2006 – three graduate credits involving 23 educators). Together 569 K-12 educators have taken a Project WET summer institute. Offered also are 15 hour one graduate credit workshops (11 different programs), six hour preservice university workshops, six hour inservice noncredit workshops, one, two and variable hour inservice sessions, (136 presentations, 1,094 served) a variable introductory program, part-day to multi-day water festivals and water education programs at youth camps and youth functions both involving thousands of youth and water education community programs involving adults and youth.

Project WET offers eleven different water topic credit workshops including a Project WET/NPS Pollution workshop, Project WET/Watershed Managers workshop, a Project WET/WOW! Wonders of Wetlands workshop, a Project WET/Lewis and Clark workshop, a Project WET/Conserve Water workshop, a Project WET/NPS Pollution Water Festival workshop, a Project WET/Missouri River workshop, a Project WET/Healthy Water, Healthy People

workshop, a Project WET/Red River workshop, a Project WET/Devils Lake workshop and a Project WET/Leadership Training workshop. A total of 51 one-credit workshops involving 804 educators have been completed since late 1995 when the first Project WET Educator's Guide became available.

The Project WET/Water Festival Credit Workshop, which was initiated in 1998 to teach educators how to plan, develop and implement a NPS Pollution water festival, has had far reaching effects for teachers and youth. During the workshop K-12 teachers receive instruction on Project WET NPS pollution curriculum and educational resources and training on how to develop and conduct a local school/community water festival involving K-12 youth. The North Dakota Project WET NPS Pollution Water Festival Planning Guide is used during this workshop. As a result of this teacher training workshop, as many as 30 smaller water festival events in 29 communities across North Dakota have annual water festival events.

Project WET has also offered to preservice teachers attending the state's colleges and universities six-hour NPS pollution/solutions instructional workshops designed to facilitate student understanding of Project WET NPS pollution/solutions curriculum materials and the importance of North Dakota NPS pollution/water quality and watershed issues. Project WET in ND has completed preservice education in four institutions of higher education. Since October 1993 Project WET has completed 59 preservice programs involving approximately 1,097 preservice teachers.

Other program areas include working with local sponsoring organizations, communities and public schools to complete water education opportunities with non-formal educators such as scout and 4-H leaders, special water education programs at community events, a water quality/NPS pollution component at soil conservation district eco-ed camps and tours, involvement in the ND Envirothon, involvement in the Keep North Dakota Clean Poster Contest (NPS pollution portion is third graders), and increased marketing of the Project WET NPS pollution/water quality program in the North Dakota water resource management and formal educator communities. Both Project WET USA and North Dakota Project WET NPS pollution /water quality program information/education tools are used for marketing. Included in North Dakota's marketing program is a Project WET brochure and introductory flyer, a special educator credit program flyer, an educational display, a Project WET Activity Sampler, a Project WET banner, a powerpoint presentation and a Facilitator Handbook. Greater efforts have been made to excite and motivate facilitators to become more active in promoting and completing Project WET NPS pollution/water quality programs.

Efforts have been made to develop Project WET NPS pollution/water quality program contacts in North Dakota schools to help promote Project WET. These educators serve as local contact people to disseminate information on Project WET NPS pollution/water quality programs, dispense announcements and flyers regarding WET NPS pollution/water quality educational opportunities in the local area, and stimulate interest among other school educators about the Project WET NPS pollution/water quality program or in becoming a Project WET facilitator. The vast majority of these contact persons are not facilitators themselves but usually have completed some type of Project WET credit workshop or institute and are familiar with Project WET programs and its educational delivery system.

North Dakota Project WET developed, submitted and received approval for five years of EETAP (1996-2000 Environmental Educational and Training Partnership) funding through Project WET USA. The first four grants were directed to develop and/or enhance new or existing programs such as the Summer Water Quality and Lewis and Clark Institutes and the Project WET NPS Pollution/Water Festival credit workshop. The fifth year grant was directed toward development of a ND Project WET Correlation Document to the ND Department of Public Instruction Content Standards. The Project WET Explore Your Watershed North Dakota Content Standards Correlation Document published in October 2000 was a 60-page document that correlated all 91 activities contained in the Project WET K-12 Curriculum and Activity Guide to the North Dakota Content Standards in mathematics, science, social studies and language arts. The ND Project WET other base programs correlated to the four curriculum content standards were Lewis and Clark's Missouri River Cultural History Institute, the Summer Water Quality Institute and the Project WET/ NPS Pollution Water Festival Credit workshop.

From November 2000 to December 2005 (document is now out-of-print) this Correlation Document was provided to all Project WET facilitators, all key ND education organizations and associations, ND teacher centers, the ND Department of Public Instruction, science centers, environmental learning centers, and other interested individuals, agencies and organizations. All individuals who received a Project WET K-12 Curriculum and Activity Guide were provided a copy of the Correlation Document (educators who have taken a Project WET credit workshop or institute). Ongoing training and assistance is provided as a part of the implementation process of the Correlation Document through all credit workshops and training offered at Teacher Association Conferences. Over 1,370 Correlation Documents were provided to the above listed individuals, agencies and organizations. This document is now out of print.

ND Project WET participated in the Discover a Watershed: The Missouri River Writing Workshop at Chamberlain, South Dakota on March 2-5, 2000. The goal of the Discover a Watershed: The Missouri River Project was to provide formal and non-formal educators and students with contemporary, unbiased, scientifically accurate, and educational sound teaching resources and creative programming focused entirely on the Missouri River watershed. The following are examples of topics addressed in the Discover a Watershed: hydrology of basin; land uses/demography/economy; water users, and management; challenges; water issues and concerns; cultural/historical; natural history; Lewis and Clark topics; environmental protection; and future management. The Missouri River Project: The Missouri River Guide became available in July 2004.

In 1996 Project WET and the Dakota Science Center in Grand Forks developed the first NPS Pollution water festival in North Dakota. A NPS Pollution water festival is a hands-on interactive program where youth, usually third, fourth and/or fifth grade students, learn about a variety of NPS pollution/solutions water and related topics in a fun and educational manner. In April 1996 nearly 800 greater Grand Forks area fourth graders attended the first Children's NPS Pollution Water Festival. A NPS pollution water festival has been held in Grand Forks since 1996 through 2005 with Project WET and the Dakota Science Center as major sponsors. In 2001, the Grand Forks NPS Pollution Water Festival became a Project WET Make A Splash festival. To date, over 7,245 Grand Forks area fourth graders have learned about water and its

importance at these festivals. In 1997 the Walsh County SCD held its first water festival for countywide sixth graders. Over 1,527 Walsh County youth have learned about NPS pollution/water quality since 1997. Project WET and River Keepers, a non-profit organization in Fargo that develops programs to educate and inform the public about the Red River, co-sponsored their first water NPS pollution festival in 1999. The program has grown from 360 fourth graders in 1999 to 1,586 third and fourth graders in 2005. A total of 7,250 third and fourth grade students have been educated about NPS pollution water quality through the Red River Make A Splash with Project WET festival.

In September 2000 the Make A Splash with Project WET NPS pollution water festival in Dickinson was held. Nearly 600 fifth graders from 10 southwestern North Dakota counties participated in the 2000 event. Since 2000, 3,362 fifth grade students have participated in the festival. A new Project WET NPS pollution water festival was developed in Bismarck cosponsored with the Bismarck School District and held in May 2004 and May 2005 and April 2006 in which over 2,174 Bismarck third graders have attended since 2004. Since 1996 over 21,550 youth have attended one of these 35 Make A Splash with Project WET water festivals.

The Dickinson, Grand Forks and Fargo NPS pollution water festivals have sometimes included a Family Night or Day program where anybody from the general public can learn about water in an interactive and hands-on manner, oftentimes, completing similar activities as the youth do during the daytime water festival. Over 6,193 adults and children have attended these family programs to learn about NPS pollution/solutions and water since the Make A Splash with Project WET festivals began in 2000. Additionally, Project WET has been involved in 16 other community/public NPS pollution programs involving another 2,937 adults and children.

In addition to youth NPS pollution water festivals, Project WET has participated in over 215 youth camps and youth events. The events are sponsored by organizations such as the boy and girl scouts, 4-H youth, science centers, soil conservation districts and environmental education programs. Like water festivals, youth camps or youth event programs generally include Project WET hands-on classroom ready NPS pollution activities; exhibit areas, demonstrations, contests and/or games. ND Project WET has been involved in 218 youth events during the cumulative project period involving 25,123 youth.

Project WET has been involved in the ND Envirothon since 1999. Project WET helped assemble the final Aquatics (water) training module for team sponsors, provided training at several teacher training workshops (aquatics/water training), helped develop the format and framework for Envirothon team leaders and students to complete their study from the aquatics (water) training module, and helped develop the base test questions for the ND student team competition. The Envirothon is a competitive problem-solving natural resource experience for students in grades 9 through 12. Project WET helped facilitate the first ND Envirothon on May 7-8, 2000 at Wesley Acres which had 5 high school teams (25 students); the second Envirothon completed on May 6-7, 2001 also at Wesley Acres which had 11 high school teams (55 students); the Joint Manitoba/North Dakota Envirothon at the International Peace Garden which had 16 ND high school teams (80 students), the May 8-10, 2003 Envirothon at the Crystal Springs Bible Camp which had 16 teams (80 students) the May 13-15, 2004 Envirothon which had 17 teams (86 students), the May 12-14, 2005 Envirothon at Cooperstown Bible Camp which

had 16 teams (80 students) and the May 11-13, 2006 Envirothon at the Cooperstown Bible Camp which had 19 teams (95 students). Altogether, 501 grades 9-12 youth have been involved in the Envirothon since 2000 and have studied and received hands-on real world experience regarding water quality/NPS pollution/solutions.

Project Goals: The overall goal of the Project WET water quality/non-point source pollution education program for North Dakota teachers and youth is: To increase K-12 educator and youth knowledge, understanding and appreciation of NPS pollution impacts to North Dakota water resources and solutions to those impacts. The following action subgoals have also been established.

- 1) To facilitate and promote the learning and exploration of North Dakota's water resources through the development and delivery of indoor and outdoor water quality/non-point source pollution and water science and water education programs through the dissemination of classroom and outdoor-ready teaching aids;
- 2) To provide balanced water quality/non-point source pollution and water resource information and education tools, services, programs and resource materials; and
- 3) To promote the wise stewardship of North Dakota's water resources and their interaction with both the human and natural environments within the watersheds of North Dakota through enhancement of water quality/NPS pollution education programs.

Project Objectives: Specific objectives for the Project WET water quality/non-point source pollution education program for North Dakota teachers and youth are:

Objective 1: Provide Project WET NPS pollution/water quality management and support systems to develop and deliver effective water resource education programs.

Objective 2: Maintain classroom-ready teaching aids in support of Project WET NPS pollution/water quality educational efforts.

Objective 3: Complete water quality/NPS pollution educational opportunities for K-12 formal and non-formal educators and youth to expand their knowledge, understanding and appreciation of water quality/NPS pollution resources and issues in North Dakota.

Objective 4: Maintain the Project WET facilitator network of formal and nonformal educators who help promote and enable Project WET NPS pollution/water quality educational resources, materials and opportunities to be delivered statewide to teachers and youth.

Objective 5: Provide a method of ongoing Project WET NPS pollution/water quality program monitoring, evaluation, oversight and direction through four Project WET Advisory Executive Committee meetings and through evaluation of Project accomplishments, objectives, task outputs and benefits.

Project Cumulative Accomplishments:

Project WET Workshops, Meetings, Presentations and Youth Programs

- a. Total Number of Project WET NPS pollution teacher workshops conducted (6 to 65 hours in length) 133.
- b. Total Number of Teachers Trained in Project WET NPS Pollution Workshops 2,470.
- c. Total Number of Project WET NPS pollution Teacher Non-Credit and Inservice Programs, Direct Presentations, Youth Programs and Community Programs (excludes meetings) 450.
- d. Total Number of Youth and Others Trained Direct in Presentations and Programs (excludes meetings) 55,380.
- e. Number of Project WET Facilitators Who Received On-Site Training 96.
- f. Number of Project WET Facilitators Who Are Carried as Active 27.
- g. Number of Persons on Project WET Advisory Committee 8.
- h. Number of Project WET Advisory Committee Meetings 13.
- i. Number of Project WET Persons on Executive Committee 6.
- j. Number of Project WET Executive Committee Meetings 24.

Project WET Water Quality/Nonpoint Source Pollution Activities and Accomplishments

Contracts.

- a. Section 319 NPS Pollution EPA contracts between NDSWC and ND Department of Health (completed for all fiscal years FY 94 – FY 07).
- b. Contract with Max Laird, Project WET facilitator, for development of Project WET Groundwater Quality Trunk Program in 1993 – 1994.
- c. Contracts completed with all teacher centers for ND groundwater quality trunk services and educational program delivery services for each state biennium period (discontinued October 2004 for groundwater quality trunk services, other services completed for FY 1994 – FY 2007).
- d. Contracts with Dakota Science Center (Grand Forks) for completing a youth NPS pollution water festival in Grand Forks area (completed for FY 1996 – FY 2007).
- e. Contracts with Steve Seymour and Pam Hintz, Project WET facilitators, for water quality test kit maintenance, kit handbook development and water boot maintenance (completed for FY 1995 – FY 2007).
- f. Contracts with River Keepers (Fargo) for completing a youth NPS pollution water festival in Fargo/Moorhead area (completed for FY 1999 – FY 2007).
- g. Contract with Ila LaChapelle, Project WET facilitator, for development and completion of Project WET K-12 Curriculum and Activity Guide Correlation Document to North Dakota State Content Standards (completed science, math, social studies and language arts for FY 1999 – 2000).
- h. Pass through private funds to LoAnn's Marketing (Dickinson) for completing a youth NPS pollution water festival in southwestern ND in Dickinson (completed for FY 2000 – FY 2007).

Grants.

- a. Completed eight EPA Section 319 NPS pollution grants for federal NPS pollution funds (FY 1992 – FY 2007). Completed 156 monthly, thirteen semi-annual and thirteen annual progress reports on grant activities for EPA Section 319 NPS pollution grant.
- b. Completed five EETAP grants through Project WET USA to further enhance Project WET Water Quality/NPS pollution program. No funds deposited in NDSWC (funds paid direct to vendors). Completed nine progress reports for EETAP Grants.
- c. Completed one Project WET USA wetlands grant (1993) to implement wetlands and groundwater quality education program for teachers and students to further enhance Project WET Water Quality/NPS Pollution program.

Water Resource Trunks. Trunks and scenarios developed through Project WET Water Quality/NPS Program.

- a. **groundwater** – twenty-two comprehensive trunks including groundwater quality flow model, operating equipment and a wide variety of educational aids including K-12 GWFM activity guide (was available through all teacher centers) was developed and distributed by Project WET (used 1993-2004). Formal contract for services by teacher centers discontinued in October 2004.
- b. **NPS water pollution** – six comprehensive EnviroScape trunks including watershed model, operating equipment and a wide variety of educational aids through Project WET are available for teachers and other users (used since 1994).
- c. **water history** – three comprehensive trunks including artifacts, photographs, audio-visual aids and a teacher's guide are available through Project WET and State Historical Society of ND (used since 1989).

NPS Pollution/Water Quality Program – NPS Pollution/water quality monitoring materials and equipment available through Project WET:

- a. Ten water quality and monitoring outfits (LaMotte – used 1994-2002)
- b. Seven water quality monitoring kits (Project WET/HACH – used since 2003)
- c. Five water pollution introductory outfits (LaMotte) – used 1994 – 1999)
- d. Four kick nets; four seine nets; four dip nets. (LaMotte)
- e. Two aqua scopes; twelve discovery scopes.
- f. Fifty-five sets of chest waders and hip boots (some have been discarded due to extensive wear).
- g. A wide diversity of other water quality test equipment (tweezers, hand held lens, white cups, plastic and glass bottles of varying sizes, binoculars, small nets, etc.).
- h. Three conductivity meters (Lamotte - used 1994-2002).
- i. Copies of five different stream monitoring curriculum materials (eg. Water, Water Everywhere from HACH: Save Our Streams from Izaak Walton League; Stream Monitoring from Delta Laboratories; Water Quality Monitoring from Project Green; Water Quality Monitoring from Tennessee Valley Authority), Stream Keepers Water Quality Monitoring Guides

- j. Five “Tap Water Tour” kits (LaMotte). } some have been discarded due
- k. Six “Pond Water Tour” kits (LaMotte). } to breakage
- l. Four “Top Soil Tour” kits (LaMotte). }
- m. Two “Watershed Tour” kits (LaMotte). }

National Project WET Curriculum Materials Available Through Water Quality/NPS Pollution Program.

- a. Project WET K-12 Curriculum and Activity Guide (2,760 distributed to K-12 educators since 1995).
- b. WOW! Wonders of Wetlands Educators Guide (866 distributed to K-12 educators since 1997).
- c. Project WET Conserve Water Curriculum Guide (129 distributed to K-12 educators since 2000).
- d. Watershed Managers Educators Guide (206 distributed to K-12 educators since 2003).
- e. Healthy Water, Healthy People (NPS Pollution/Water Quality) Educators Guide and Test Kit Manual (311 distributed to K-12 educators since 2003).
- f. Discover the Missouri Watershed Educators Guide (148 distributed to K-12 educators since 2004).

North Dakota Project WET Curriculum and Resource Materials Available Through Water Quality/NPS Pollution Program.

- a. North Dakota K-12 Wetland Discovery Guide. Project WET North Dakota collaborated with the ND Water Education Foundation to produce the ND K-12 Wetlands Discovery Guide in 1995. This guide was developed and field tested by North Dakota natural resource personnel and K-12 educators. The guide includes a general background section on ND wetlands and twenty-six hands-on interactive curriculum activities. Project WET is the distributor of this guide. **Over 3,165 guides have been distributed to ND K-12 educators since 1995. Only 57 guides remain which will be distributed to K-12 educators taking Project WET Summer Institutes.**
- b. K-6 Groundwater Quality Youth Guide. Project WET, through the North Dakota State University Extension Service, distributed a booklet of ten lessons (activities) related to groundwater concepts and issues in North Dakota for K-6 teachers. **1,846 guides were distributed to ND K-12 educators between 1994 and 2001.** This publication is out of print.

- c. North Dakota Reference Guide. Project WET compiles a comprehensive North Dakota Water Quality Resource and Reference binder/folder for teachers, students and other users to be used to further understand North Dakota water resources and water quality issues. The guide consists of pamphlets, booklets, brochures, and documents on a variety of topics of water resources and water quality issues placed in a three ring binder or folder. **A total of 2,470 binders/folders have been distributed to ND K-12 educators.**

Facilitator Network. The Project WET Water Quality/NPS Pollution Program maintains a network of K-12 formal and non-formal educators to help promote and complete water education programs throughout North Dakota. **A total of seven 16-hour facilitator training workshops have been held resulting in 96 trained Project WET facilitators of which 27 are carried on the active list of facilitators.**

Facilitator Handbook: A comprehensive Project WET Facilitator Handbook, which details all aspects of ND Project WET and the delivery of its educational programs, was developed and revised three times. The handbook includes a description of the facilitator incentive and recognition program, a description of Project WET educational program options and agendas and everything a facilitator needs to know to develop and deliver Project WET programs to both educators and students. This handbook was first published in November 1995 with revisions in 1998, 2003 and 2004.

Project WET Awards Program: ND Project WET produces many types of awards for facilitators including an engraved plate on a ND shaped wooden plaque (Captain Award), a certificate on a ND shaped wooden plaque (Navigator Award), an engraved plate on a water drop shaped wooden plaque (Commodore Award), an engraved plate on an apple shaped wooden plaque (Facilitator of the Year Award), and a framed and matted ND water resource picture with an engraved plate (Admiral Award). ND Project WET initiated a six level award system for facilitators to earn promotional items and awards in 1998. Over 66 awards have been given to Project WET facilitators since 1995.

Project WET Identity Pieces. ND Project WET developed its own logo (Explore Your Watershed) which is imprinted on most promotional materials and all publications produced by ND Project WET. The state Project WET office has developed business cards, ND Project WET lapel pins and ND Project WET engraved nametags for facilitators. The Project WET logo also appears on all ND Project WET brochures and flyers and on all facilitator awards. All educational offerings are promoted utilizing the logo.

Project WET Promotional Materials. Project WET promotional materials (includes carrying bags, tote bags, briefcases, caps, t-shirts, sweatshirts, polo shirts, travel mugs, water bottles, jackets (two types), and denim shirts) can be earned by Project WET facilitators. T-shirts, water bottles, caps and carrying bags are given as door prizes for participants at teacher credit workshops or are provided to participants at summer institutes and workshops. All promotional materials are imprinted with a Explore Your Watershed logo.

Summer Water Quality Institute for Educators. Eight comprehensive five or six-day NPS Pollution/water quality institutes were held for formal and non-formal K-12 educators from 1994 - 2001. Educators received training in four environmental water quality field units (stream, wetlands, groundwater and lake investigations), training in the water quality/NPS pollution trunk programs, participated in activities from the Project WET K-12 Curriculum and Activity and WOW! Wonders of Wetlands Guides (only two guides available in 1995 - 2001), made water quality monitoring equipment, toured major water use projects in the area and learned major water resource and NPS pollution/water quality management issues in North Dakota. The program included small group (K-4; grades 5-8 and grades 9-12) breakouts for sharing, discussion and infusion of activities. **256 K-12 educators have taken the Summer Water Quality Institute. This institute was discontinued after 2001 due to lack of K-12 educator interest.**

Summer Institute for Youth: Two comprehensive five day summer water quality/NPS pollution institutes were held for 9th, 10th and 11th graders. Students received training in four environmental water quality field units (stream, wetlands, groundwater and lake investigations). Training in the water quality NPS pollution trunk programs, participated in activities from the Project WET Curriculum and Activity and WOW! Wonders of Wetlands Guides, made water quality monitoring equipment, toured major water resource projects in the area and learned major water resource and NPS pollution/water quality management issues in North Dakota. The institute was offered for one-quarter high school earth science credit. **Fifty-three grades 9-11 students were involved in the two programs offered during 1995 and 1996. This institute was discontinued due to an administrative decision and costs.**

Lewis and Clark's Missouri River Cultural History Institute: Project WET completed four Missouri River Cultural History Institutes for K-12 educators. The institute gave participants a knowledge, understanding and skills to teach about the historical significance of the Lewis and Clark Expedition and the Missouri River in North Dakota as it related to the diversity of cultures from the presettlement American Indian period to the Euro-American settlement period. The institute used the rich Missouri River cultural landscape to provide participants with hands-on programs as a backdrop to explore the wide array of human communities that provided a focal point in the settlement of North Dakota on the Missouri River. **161 K-12 educators took this summer institute. The Institute was extended from two graduate credits (four days) in 1999 to four graduate credits (six days) in 2001 and 2002. This institute was discontinued due to expanding costs after 2002.**

Discover Today's Missouri River Institute: The four and three graduate credit Discover Today's Missouri River Institute were completed in 2003 - 2005. The Missouri River itself was the backdrop to explore controversial issues. This institute included seven Missouri River water quality/NPS pollution issue segments and two issue reports, two or one major half day water quality/NPS pollution environmental investigation segments, seven Missouri River use field tours, navigation of four major Project WET teacher curriculum guides with completion of thirteen hands-on activities from these guides and two environmental water quality/NPS pollution model demonstrations. **Seventy-four North Dakota K-12 educators came face to face with Missouri River water quality/NPS pollution issues at the Discover Today's Missouri River Institute at the Western 4-H Camp near Washburn in 2003 and 2004 while**

28 K-12 educators took the course at Williston State College, Williston. This institute will be completed again in 2009.

Discover Today's Devils Lake Dilemma (Workshop): The two graduate credit workshop was completed in 2004. The focus was on contemporary Devils Lake NPS pollution/water quality and watershed issues. The mission and purpose of the Discover Today's Devils Lake Dilemma Workshop was to give participants knowledge, understanding and skills to teach about contemporary water quality/NPS pollution issues and concerns of the citizens living in the Devils Lake watershed and how Devils Lake watershed are meeting the challenges to managing its water resources and NPS pollution/water quality issues. Through balanced hands-on activities, presentations, discussions, field tours, an environmental investigation and demonstrations, participants experienced up close and personal today's Devils Lake watershed. **Twenty-four educators experienced some of North Dakota's unique water use sites in the Devils Lake watershed and discovered the lake's watershed and NPS pollution/water quality issues through some of the area's foremost experts on Devils lake watershed science, economic and social issues. This workshop, which was changed to an institute in 2005, was expanded in programming to a five-day course. The 2005 institute was cancelled due to lack of enrollment.**

Discover Today's James and Sheyenne Rivers Institute: This three graduate credit institute was completed in 2006. This institute gave participants knowledge and skills to teach about water quality/NPS pollution issues facing the James and Sheyenne Rivers and their surrounding watersheds, and how area citizens, government agencies and other decision-makers are meeting the challenges of managing water resources and NPS pollution/water quality issues in this region of North Dakota. Through balanced hands-on activities, presentations, discussions, field tours, an environmental investigation, and many demonstrations, attendees experienced today's Sheyenne and James Rivers through tours such as the Jamestown, Pipestem and Baldhill Dams, Cavendish Farms, stream restoration site, Cargill Malting, animal waste facility etc., (14 tours), presentations on major NPS pollution/water quality and watershed issues (wetlands management, industrial water use, riparian restoration, reservoir management, flood control, water quality, etc.) and navigation of four teacher curriculum guides with completion of eleven hands-on activities. **Twenty-three K-12 educators took the course at Valley City State University.**

Posters: Project WET has acquired a total of over 25,000 posters for general Project WET NPS pollution/solutions educational program distribution including the USGS water resource series (water pollution, wetlands, groundwater, quality water use, wastewater treatment, hazardous wastes, and watersheds, two water cycle posters, a household hazardous materials poster and a water quality poster). Project WET has also equipped several additional topic focused posters on water quality and nonpoint source pollution in its Enviroscope watershed/NPS pollution education trunks. **These sets of posters have been distributed to 2,976 K-12 educators throughout North Dakota.**

Water Resource Maps: Project WET has distributed two comprehensive North Dakota water resource maps (one depicts all of the states major rivers, lakes, streams, dams, watersheds, rural water systems, water pipelines and canal distribution systems, major water use industries, major irrigation systems, and major glacial drift aquifers while the other depicts major glacial drift

aquifers and their yields in gallons per minute) to all educators who take Project WET workshops. **From 1997 to 2005, 3,122 of the surface water maps and since 1993, 3,619 of the glacial drift aquifer maps have been provided to K-12 educators (currently being revised). A third map on the Upper Missouri River basin states was distributed to 358 K-12 educators from 2002-2004 (this map is now out of print).**

Audio-Visual: North Dakota Project WET placed three water quality topic focused videos in all of its groundwater quality education trunk programs.

Flyers and Brochures: Project WET has produced the following brochures and flyers and has distributed thousands of these materials at Project WET workshops, educational programs and statewide teacher and natural resource conventions, meetings and functions:

- a. Produced and distributed flyers for the water quality/NPS pollution trunk education programs (liquid treasure, groundwater, quality watershed NPS water pollution);
- b. Produced and distributed a flyer on North Dakota Project WET program within Project WET USA brochure (**revised seven times since 1999**);
- c. Produced a Project WET credit workshop/institute options flyer for educators (**revised seven times since 1999**); and
- d. **Produced and distributed a total of 31,000 brochures for the five different Summer Institute programs, the two youth summer institutes, and one summer workshop from 1993 through 2006.**

Articles: Project WET has produced **six feature articles** for the ND WATER magazine, **39 articles** for the NDSWC Oxbow section within the ND WATER magazine and has produced **seven short articles** for the ND Water Quality/NPS Pollution Newsletter and numerous articles for state education association and science center newsletters.

Project WET Materials Storage. Project WET maintains a separate storage area in an out-of-office NDSWC building storage space for educational materials and resources.

Communication and Coordination: The Project WET state office has fostered communication and coordination with a host of local, state and federal agencies and local and state education associations and organizations. Project WET has been involved in the North Dakota Coalition for Conservation and Environmental Education (C²E²) since 1995; the North Dakota Education Association (NDEA) since 1993; and the North Dakota Math, Science Teachers and Environmental Education Association since 1993. Project WET has also been involved in the ND Geographic Alliance, state principal associations, ND Water Education Foundation, Home Educator's Association, the ND Health Teachers Association, the ND Reading Association, the ND Boy and Girl Scout Associations and Councils and the ND 4-H Leaders Association. Project WET has also been active with and has attended all National Project WET Coordinator's Conferences since 1995. Project WET serves on the Keep North Dakota Clean Board and has been actively involved in its Poster Contest since 1998. Project WET has been involved with the Red River Watershed Education Program since 1999 having collaborated with the Red River and You Institute in 2002 – 2006. Project WET has been involved with the ND Envirothon since 1998 and serves on its logistics and steering committees. At the local level, the Project WET

director and local facilitators have connected with dozens of local organizations and most state and federal natural resource agencies and many local natural resource organizations and agencies.

Project WET Advisory Committee

A Project WET Advisory Committee (currently 8 members) was established in 1994 to provide input and consultation to Project WET. The primary objectives of this committee are to:

- Assist in determination of program and resource needs and the monitoring and evaluation of Project WET and its overall programs, activities and accomplishments;
- Provide consultation and technical assistance in the implementation, maintenance, direction and future of Project WET;
- Assist in coordinating and networking Project WET with the educational and water communities at all levels and with other water related and environmental education providers and programs; and
- Assist in stimulating school, teacher and youth, natural and water resource, and public leader interest in Project WET.

The Project WET Advisory Committee has met every year since 1994 (thirteen times). A Project WET Executive Committee was formed in 1995 to provide necessary consultation and technical assistance on a more regular basis. **This committee has met on an average of twice each year since 1995 (twenty-four times).**

Evaluation. A number of groups and individuals monitor and evaluate the success of the Project WET Water Quality/NPS program. These include: 1) the Project WET Advisory and Executive Committees; 2) the North Dakota Department of Health; 3) the North Dakota Non-point Source Pollution Task Force (biennial); 4) teachers, youth leaders and youth involved in Project WET programs; 5) agencies or organizations directly participating in Project WET initiatives; 6) Project WET facilitators; 7) the North Dakota Water Education Foundation; 8) the Project WET director; 9) the State Water Commission; and 10) the ND State Legislature (biennial).

Project WET NPS Pollution/Water Quality Programs use various methods and techniques such as exit surveys, audience feedback and pre/post testing to track: 1) changes in teachers and youth understanding of learning, materials and resources received at workshops, programs and events; 2) document participant numbers and satisfaction of workshops, programs and events; and 3) documentation of NPS pollution/water quality grant task outputs and progress toward objective endpoints.